



U.S. DEPARTMENT OF
ENERGY



Update on the Office of Environmental Management

*Environmental Management Site Specific Advisory Board
Chairs Meeting, Augusta, GA, March 18-19, 2009*

***Dr. Inés R. Triay
Acting Assistant Secretary
Office of Environmental Management***



EM Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

www.em.doe.gov

EM Mission

“Complete the safe cleanup of the environmental legacy brought about from five decades of nuclear weapons development, production, and Government-sponsored nuclear energy research.”



- Largest environmental cleanup effort in the world, originally involving two million acres at 108 sites in 35 states
- Safely performing work
 - In challenging environments
 - Involving some of the most dangerous materials known to man
 - Solving highly complex technical problems with first-of-a-kind technologies
- Operating in the world's most complex regulatory environment
- Supporting other continuing DOE missions and stakeholder partnerships



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Program Priorities

- Essential activities to maintain a safe and secure posture in the EM complex
- Radioactive tank waste stabilization, treatment, and disposal
- Spent nuclear fuel storage, receipt, and disposition
- Special nuclear material consolidation, stabilization, and disposition
- High priority groundwater remediation
- Transuranic and mixed/low-level waste disposition
- Soil and groundwater remediation
- Excess facilities deactivation and decommissioning (D&D)



Goal Attainment

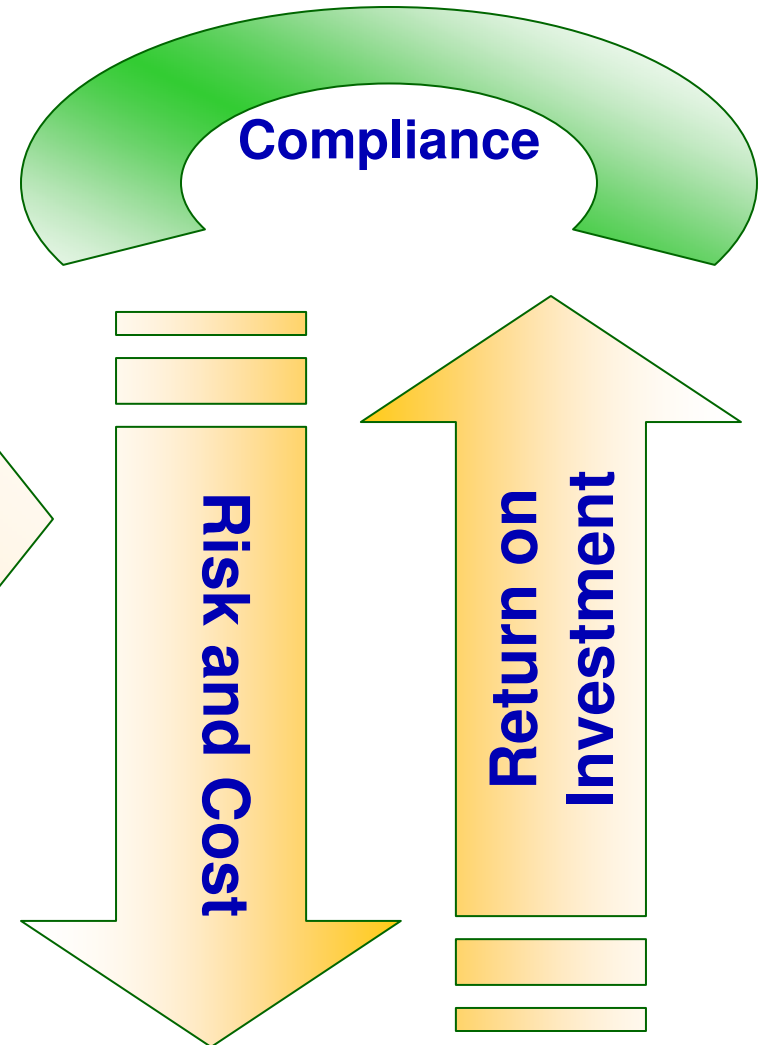
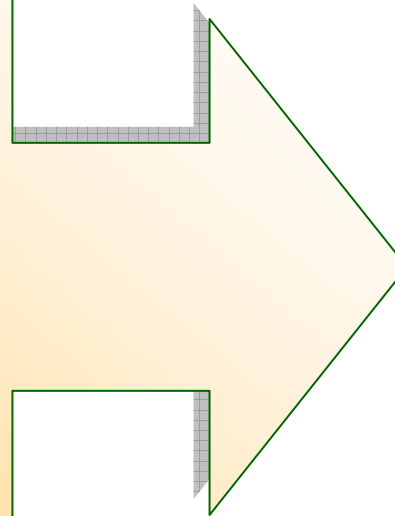
Sound business practices

- Near term completions
- Footprint reduction

Use science and technology to optimize the efficiency of tank waste disposition

Use science and technology to optimize the efficiency of excess nuclear materials, and spent nuclear fuel disposition

Alternative management approaches such as the Energy Parks Initiative

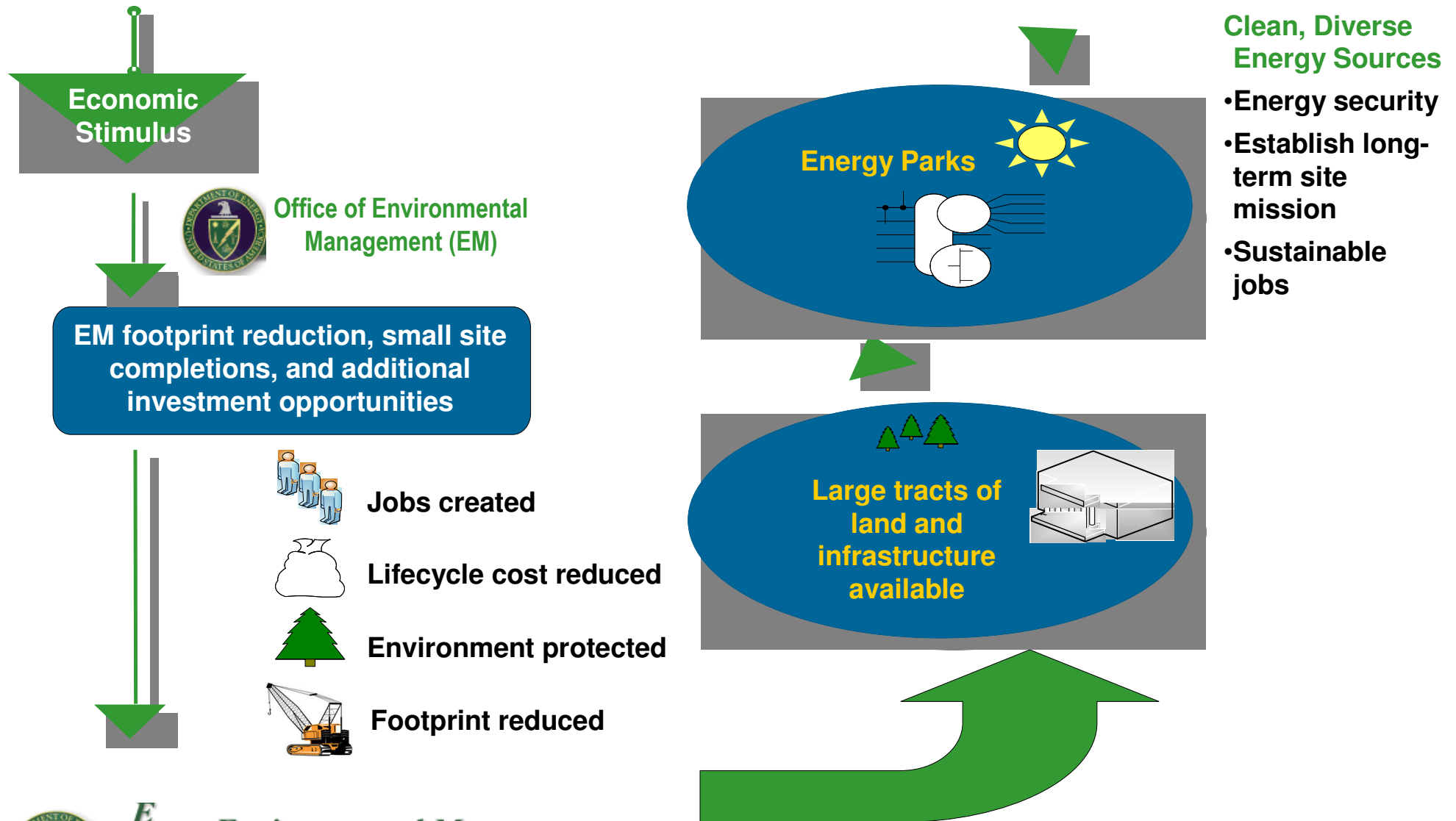


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Footprint Reduction



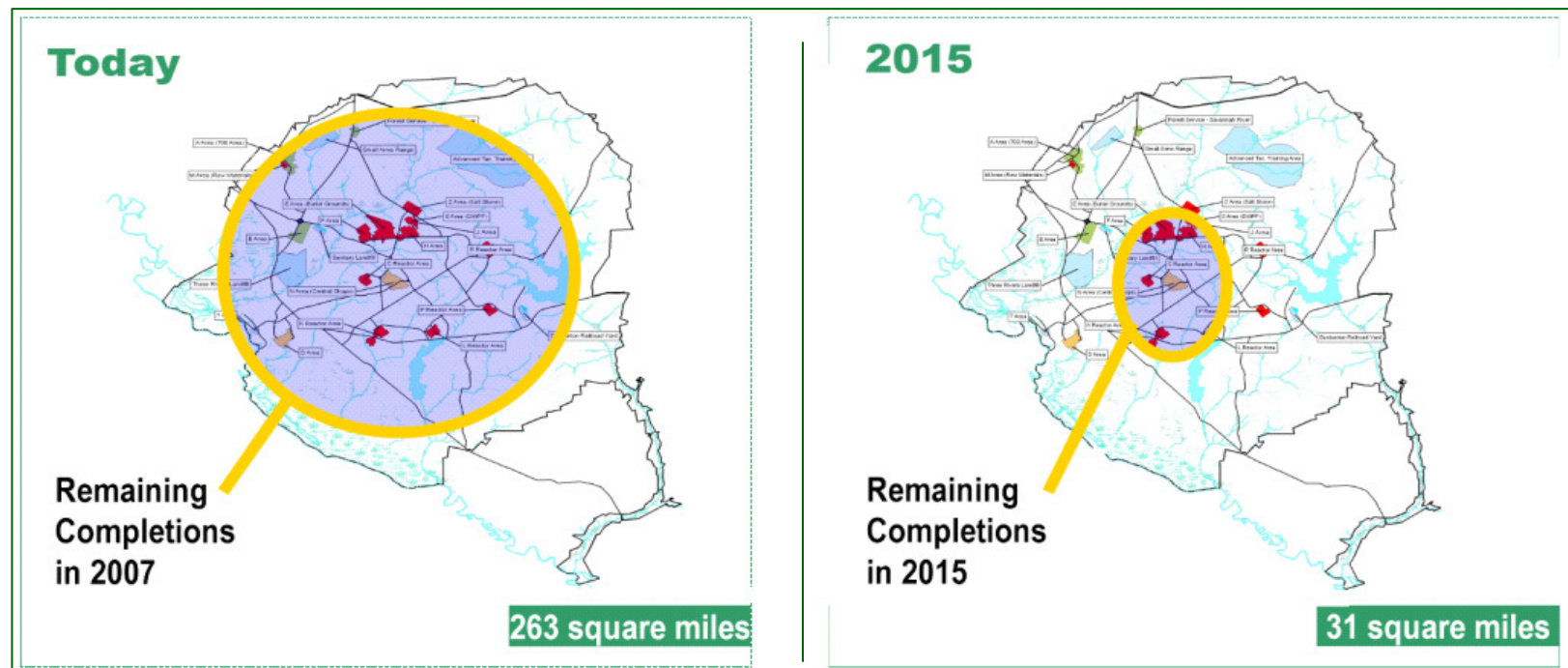
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Footprint Reduction – Savannah River Site

- Focus on Area Closures—soil and ground water remediation
- Accelerate entombment of production reactors
- Reduces environmental risk with large return on investment
- Results in roughly 90 percent reduction of the site footprint



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Small Site Near-Term Completion



Cleanup activities at 22 sites in 14 states – to 10 sites in 10 states
Reduce EM footprint from 900 square miles to 135 square miles
Reduction in life-cycle cost



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Reutilization of Assets/Energy Parks



- EPI will convert EM liabilities (formerly contaminated sites, facilities, and materials) into assets to solve critical national energy issues
- EPI can demonstrate effective partnering of DOE, other Federal agencies, private industry, state and local governments, and local communities
- EPI can preserve and enhance economies of state and local host communities of DOE/EM sites with energy reindustrialization

EM's unique resources can be leveraged to address some of the Nation's energy security and climate change concerns



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American Recovery and Reinvestment Act of 2009 (Recovery Act)

- **Signed into law on Feb 17, 2009**
- **Unprecedented Congressional action**
- **Priority at highest Federal levels**
 - President
 - Congress
 - Secretary of Energy
 - Assistant Secretary for Environmental Management
- **Unprecedented transparency and accountability**
- **\$6 billion in *additional* funding for EM**



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Recovery Act of 2009

- Focusing on “shovel ready, boots on the ground” projects contributing to footprint reduction and small site completions
- Requiring rapid deployment of resources with transparency of activities and accountability for results
- Developing dedicated EM project team
 - Safety/Operational Readiness
 - Project Management
 - Budget
 - Contracting
 - Regulatory
 - Communications

YOUR MONEY *at* WORK
RECOVERY.GOV

Contributes to jobs creation, EM life cycle cost savings, and energy parks



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The EM Recovery Act Program

- Extraordinary opportunity for EM to achieve new success—***Recovery Act funding entrusted to EM because of demonstrated results***
- Funds intended to create near-term environmental cleanup jobs, with lasting economic benefits
- Office being established in EM to support Recovery Act success



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Recovery Act Implementation Principles

To achieve our job creation and footprint reduction goals as quickly as possible, we are evaluating site cleanup plans using five guiding principles:

1. Validated cost and schedule baselines are in place
2. Contracts are in place
3. Regulatory requirements are agreed to and achievable
4. Technologies are proven and readily available
5. Significant accomplishments can be achieved by the end of FY 2011



Recovery Act Project Priorities

- **Scope that can most readily be accelerated to take advantage of Recovery Act funds**
 - Soil and water remediation
 - Radioactive waste disposition
 - Facility decommissioning
- **Site closure and EM completion**
- **Reduce the EM footprint**
 - Across the country
 - Within a site



Recovery Act Status

- **Aggressive implementation—Recovery Act funding within two weeks**
- **Opportunities identified at 17 sites in 12 states meeting Recovery Act principles (totaling \$6B through FY 2011)**
 - Recovery Act proposals developed by sites with site priorities in mind
 - Flexibility in work scope, but first and foremost, Recovery Act funds are about job creation
- **Recovery Act proposals accelerate work activities that have compliance milestones associated with them**



Contacts

- Website: www.em.doe.gov/emrecovery
- Email: emrecovery@em.doe.gov
- Recovery Act Program Office [202-586-2083](tel:202-586-2083)



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EM SSAB Mission

The EM SSAB provides the Assistant Secretary and Field Managers with advice and recommendations regarding environmental restoration, waste disposition, risk assessment and management, science and technology activities, future land use and long term stewardship, and other site-specific issues.



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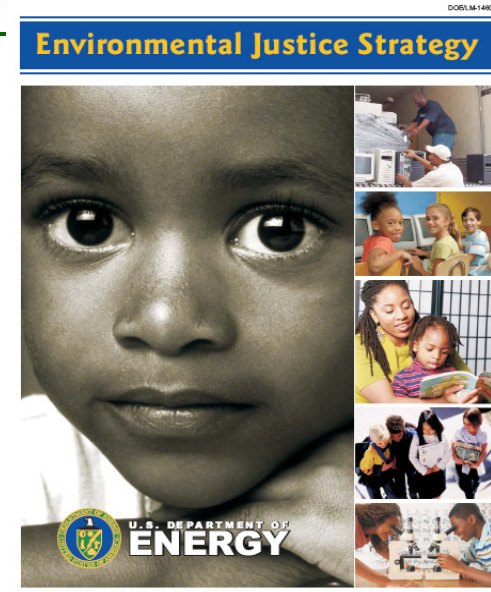
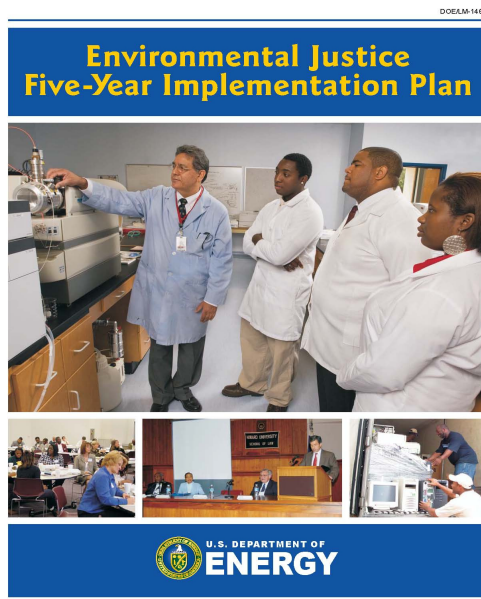
Topics for EM SSAB Focus

- Recovery Act
- Ongoing Budget Priorities
- Waste Disposition
- Communications and Public Outreach Opportunities
- Opportunities for Public Engagement on Environmental Justice Issues



Environmental Justice: 5 Year Plan

Environmental justice is “fair treatment and meaningful involvement of all people, regardless of race, ethnicity, culture, income or education level with respect to development, implementation, and enforcement of environmental laws, regulations and policies.”



Fair treatment means that racial, ethnic, or socioeconomic groups should not bear a disproportionate share of negative environmental consequences resulting from industrial, municipal, and commercial operations, or from the execution of federal, state and local laws, regulations and policies.



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The Challenge – Maintaining EM's Momentum



- Managing performance-based projects with life cycles over several decades
- Safely conducting work
- Producing results with robust project management practices
- Applying first-of-a-kind technologies
- Achieving footprint reduction and near-term completions
- Managing and maintaining an “able and stable” workforce



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